BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work: :- Operation and maintenance of Street Lighting system in Ward No 08 Package Y-08 of Yelahanka Zone

Name of Contractror of nature of Agency:- M/S. Jaicab Electricals

Job Code No:- ~~008-16-000013~~ 008-20-000017

Ref no and Date of commencement of work:- EE/Ele/YLK/TEND/WO/000042/2020-21 Date:06/01/2021

Measurement Book No: **Page No:**

Bill NO :- 2Nd RA Bill

Sl. No.		Unit	Period	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below		2Months			
	i) Poles with 36/40 W fluorescent tube light street lighting system	Nos	2	326	41.66	27162.32
2	iii) 125 W HPMV Light Park Lighting System	Nos	2	110	58.33	12832.60
3	v) Poles with 250W HPSV light street lighting system	Nos	2	2148	75.00	322200.00
4	vii) Poles with 400 watts HPSV light street lighting system	Nos	2	110	83.33	18332.60
5	Viii) Poles with 24 Watts LED Light street lighting system	Nos	2	25	58.33	2916.50
6	viii) Poles with 65 Watts LED Light street lighting system	Nos	2	27	83.33	4499.82
7	viii) Poles with 90 Watts LED Light street lighting system	Nos	2	302	83.33	50331.32
8	viii) Poles with 110/120 Watts LED Light street lighting system	Nos	2	14	83.33	2333.24
9	B Work to be carried ut as per requirment & actuals and as per the directions of the in charge engineer Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the pole a) Upto 5 Mtrs light pole	Nos	2	0	500.00	0.00
10	c) 8 Mtr and above Street light pole	Nos	-	0	700.00	0.00
11	Moulded Case Circuit Breaker (MCCB) three pole 100Amps 25kA		-	0	2000.00	0.00

Asst. Executive Engineer (Elec.)
Yelahanka Sub-Division
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12	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm		-	0	2000.00	0.00
13	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit(Mother board):Handles controlling,data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.		-	0	40000.00	0.00
	TOTAL					**440608.40**
	Add GST 12 % on item no 9 to 13			0		0.00
	TOTAL Rs					**440608.40**
	Fine imposed for non burning of street lights For the period of 21/5/2021 to 30/6/2021					8100.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material					8812.17
	GRAND TOTAL					**423696.23**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Asst. Executive Engineer (Elec.)
Yelahanka Sub-Division
Bruhat Bangalore Mahanagara Palike